

1500Y SERIES

CARBON STEEL, STAINLESS STEEL, CHROME MOLY Y STRAINERS

NPT, FLANGED, RING JOINT, SOCKETWELD, BUTTWELD

PRESSURES TO 3705 PSIG (258.5 BARG)
TEMPERATURES TO 800°F (426°C)

APPLICATIONS

- Steam, liquid, gas and oil service
- Power industry
- Pulp and paper
- Chemical industry
- Process Equipment
- Metal & Mining
- Water & Waste

OPTIONS

- Chrome Moly bodies available on Y2T and Y2W models
- Other perforated screens and mesh liners
- Drain connections and other gasket materials
- Oxygen cleaning
- Special internal / external coatings and linings
- Contact Factory for other Options

APPLICABLE CODES

- ANSI B16.5
- ANSI B16.34

Canadian Registration:

OE0495.90-1500 Y1T, Y2TC
OE1972.2-1500 Y2TC
OE5779.5-1500 Y2T

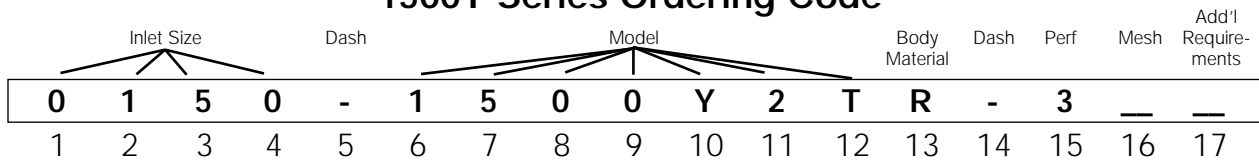
- ANSI 1500 PSIG rated strainers
- NPT, RF or RTJ Flanges, Socketweld and Butt weld in accordance with ANSI 16.34 and 16.5
- SSI Exclusive – Body blow down flange and cover flange dimensions are in dimensional accordance with ANSI B16.5.
- All Flanged connections complete with Bolted Cover
- One piece cast body
- Upper and lower machined seats
- Generous screen area and properly proportioned straining chamber to minimize initial pressure drop while maximizing time between cleanings
- Drain/Blow-off connection furnished with plug

MODELS

- 1500Y1T – Carbon or Stainless NPT with Threaded Cover
- 1500Y1W – Carbon or Stainless Socketweld with Threaded Cover
- 1500Y2T – Carbon, Stainless or Chrome Moly NPT with Bolted Cover
- 1500Y2W – Carbon, Stainless or Chrome Moly Socketweld with Bolted Cover
- 1500Y2F – Carbon or Stainless Flanged with Bolted Cover
- 1500Y2J – Carbon or Stainless Ring Joint with Bolted Cover

For Butt weld connections see FY Series on page 424

1500Y Series Ordering Code



Inlet Size -
Position 1 - 4
0200 - 2"
0250 - 2½"
0300 - 3"
0400 - 4"
0600 - 6"
Dash -
Position 5

Model - Position 6 - 12
1500Y1T
1500Y1W
1500Y2T
1500Y1W
1500Y2F
1500Y2J
Body Material -
Position 13
C - CS
T - SS
R - CM
Dash - Position 14

Perf¹ - Position 15
304SS Material²
A - No Perf
1 - 1/32"
B - 3/64"
4 - 1/8"
2 - 1/16"
3 - 3/32"
5 - 5/32"
6 - 3/16"
7 - 7/32"
8 - 1/4"
9 - 3/8"

Mesh² -
Position 16
Leave Blank If not Required (std ALL)
1 - 10
2 - 20
3 - 30
4 - 40
5 - 50
6 - 60
7 - 80
8 - 100
9 - 120

Add'l Requirements -
Position 17
Leave Blank If not Required
D - Special Drain Size
F - Silicon Free
G - Special Gaskets
N - Nace MR01-75
T - Special Testing
X - Oxygen Cleaning
Y - Other and / or Multiple Specials
Indicate Specials Clearly On the Order

1. Standard Screens:
Y1T and Y2T
½"-1½"—1/32" perf,
Y2 2"-6"—1/8" perf.
2. For other screen materials, contact factory.



1500Y1 SERIES

CARBON STEEL, STAINLESS STEEL

Y STRAINERS

NPT, SOCKETWELD

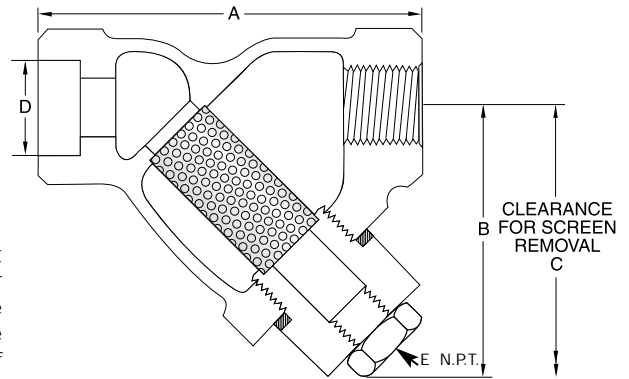
SPECIFICATION

Y Strainer shall be straight flow design with NPT or Socketweld inlet/outlet connections. The strainer shall be rated to ANSI 1500 PSIG. The Strainer shall be Cast Carbon Steel or Stainless Steel body and the screen shall be size _____ perf 304 SS. The strainer shall have a threaded cover. The strainer shall have an inlet size of _____ and Open Area Ratio of _____. The Y Strainer shall be SSI 1500Y1 Series.

MATERIALS OF CONSTRUCTION

Part	Carbon Steel	Stainless Steel
Body	A216-WCB	A351-CF8M
Cap ²	A216-WCB	A351-CF8M
Screen ¹	304 SS	304 SS
Plug ²	A105	A182-316
Gasket ¹	304 SS Spiral Wound	304 SS Spiral Wound

1. Recommended Spare Parts
2. Materials of equivalent strength may be substituted

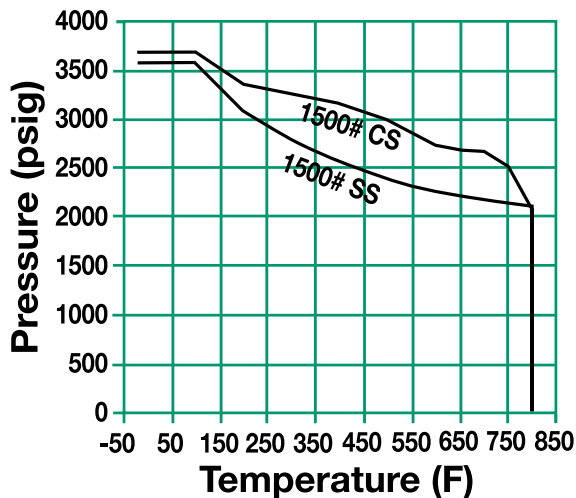


Connections:
 CS - 1/2" to 1" NPT or Socketweld
 SS - 1/2" to 1" NPT or Socketweld

SCREEN OPENINGS

SIZE	STANDARD SCREEN	MATERIALS
1/2" - 1"	1/32" Perf	304 SS

PRESSURE/TEMPERATURE CHART
ASME B16.34



DIMENSIONS inches (mm) AND WEIGHTS pounds (kg)

SIZE	A	B	C	D	E	WEIGHT
1/2 (15)	3 5/16 (100)	3 9/16 (90)	5 5/16 (135)	7/8 (22.23)	1/4 (8)	2.4 (1.1)
3/4 (20)	4 1/4 (108)	3 15/16 (100)	5 (127)	1 1/16 (27.05)	3/8 (10)	3.3 (1.5)
1 (25)	5 (127)	4 23/32 (120)	7 1/2 (178)	1 1/3 (33.78)	1/2 (15)	6.0 (2.7)

Dimensions shown are subject to change.
 Contact factory for certified prints when required.

**1500Y1 SERIES
STRAINERS**

1500Y2 SERIES CARBON STEEL, STAINLESS STEEL CHROME MOLY Y STRAINERS NPT, SOCKETWELD

SPECIFICATION

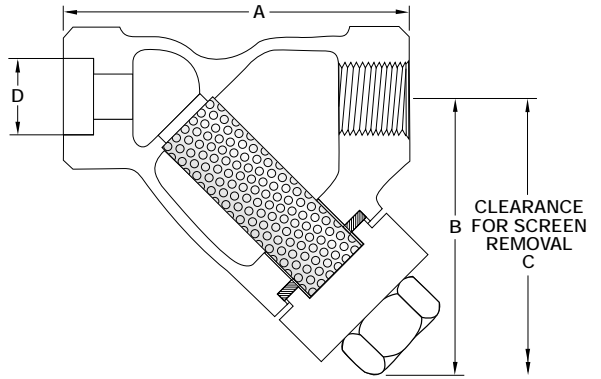
Y Strainer shall be straight flow design with NPT or Socketweld inlet/outlet connections. The strainer shall be rated to ANSI 1500 PSIG. The Strainer shall be Cast Carbon Steel or Stainless Steel body and the screen shall be size _____ perf 304 SS. The strainer shall have a bolted cover. The strainer shall be have an inlet size of _____ and Open Area Ratio of _____. The Y Strainer shall be SSI 1500Y2 Series.

MATERIALS OF CONSTRUCTION

Part	Carbon Steel	Stainless Steel	Chrome Moly
Body	A216-WCB	A351-CF8M	A217-WC6
Cover ²	A216-WCB	A351-CF8M	A217-WC6
Screen ¹	304 SS	304 SS	304 SS
Gasket ¹	304 SS Spiral Wound	304 SS Spiral Wound	304 SS Spiral Wound
Stud	A193-B7	A193-B8-1	*
Nut	A194-2H	A194-8	*

* For Chrome Moly materials of construction contact factory.

1. Recommended Spare Parts
2. Materials of equivalent strength may be substituted



1500Y2 NPT/SW strainers are not furnished with a drain/blow down connection. If required consult factory.

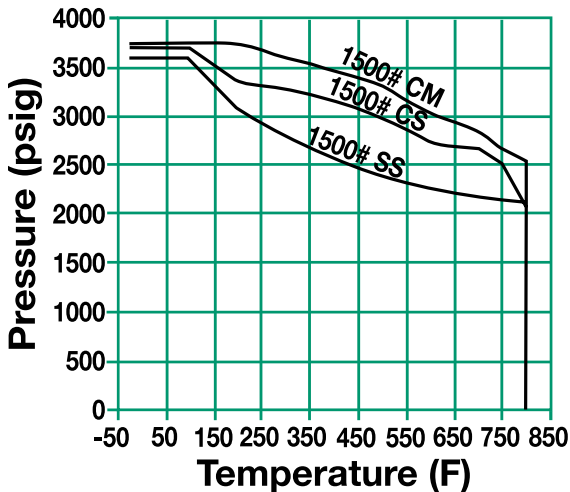
Connections:

CS - 1/2" to 2" NPT or Socketweld
SS - 1/2" to 2" NPT or Socketweld
CM - 1/2" to 2" NPT or Socketweld

SCREEN OPENINGS

SIZE	STANDARD SCREEN	MATERIALS
1/2" - 1 1/2"	1/32" Perf	304 SS
2"	3/64" Perf	304 SS

PRESSURE/TEMPERATURE CHART
ASME B16.34



DIMENSIONS inches (mm) AND WEIGHTS pounds (kg)

SIZE	A	B	C	D	WEIGHT
1/2 (15)	3 15/16 (100)	5 1/8 (130)	6 1/2 (165)	7/8 (22)	7 (3.2)
3/4 (20)	4 1/4 (108)	5 7/32 (150)	7 3/32 (180)	1 1/8 (29)	11 (5)
1 (25)	5 (127)	6 1 1/16 (170)	8 15/32 (215)	1 5/16 (33)	15 (6.8)
1 1/4 (32)	8 3/8 (213)	7 7/16 (179)	8 5/8 (219)	1 11/16 (43)	22 (10)
1 1/2 (40)	8 3/8 (213)	7 7/16 (179)	8 5/8 (219)	1 15/16 (49)	22 (10)
2 (50)	9 3/8 (238)	7 7/8 (200)	10 (254)	2 7/16 (62)	26 (11.8)

Dimensions shown are subject to change. Contact factory for certified prints when required.

1500Y2 SERIES CARBON STEEL, STAINLESS STEEL Y STRAINERS FLANGED, RING JOINT, BUTTWELD

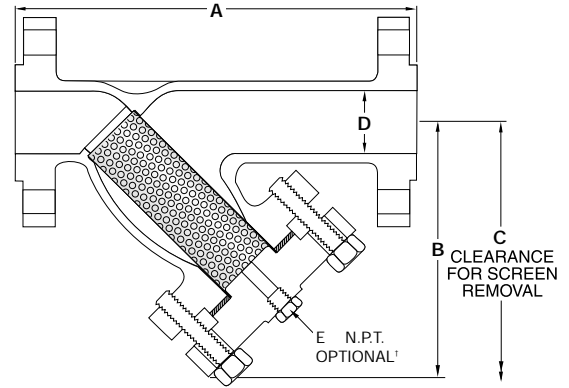
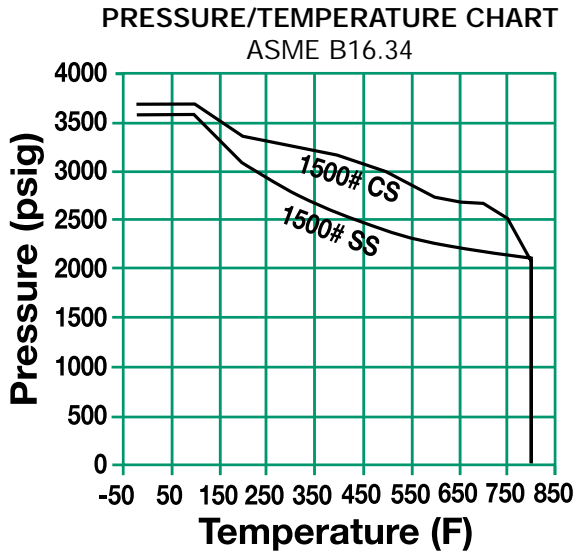
SPECIFICATION

Y Strainer shall be straight flow design with RF Flanged, Ring Joint or Butt weld inlet/outlet connections. The strainer shall be rated to ANSI 1500 PSIG rating in accordance with ANSI B16.5 or B16.34. The Strainer shall be Cast Carbon Steel or Stainless Steel body and the screen shall be size _____ perf 304 SS. The strainer shall have an inlet size of _____ and Open Area Ratio of _____. The Y Strainer shall be SSI 1500Y2 Series.

MATERIALS OF CONSTRUCTION

Part	Carbon Steel	Stainless Steel
Body	A216-WCB	A351-CF8M
Cover	A216-WCB	A351-CF8M
Screen ¹	304 SS	304 SS
Plug ²	A105	304 SS
Gasket ¹	304 SS Spiral Wound	304 SS Spiral Wound
Stud	A193-B7	A320-B8
Nut ²	A194-2H	A194-8

1. Recommended Spare Parts
2. Materials of equivalent strength may be substituted



* 1500Y2 strainers are not furnished with a drain/blowdown connection. If required consult factory.

Connections:
CS - 2" to 6" RF Flanged or RTJ
SS - 2" to 6" RF Flanged or RTJ

For Butt weld connection use FY Series on page 424

SCREEN OPENINGS

SIZE	STANDARD SCREEN	MATERIALS
2" - 3"	3/64" Perf	304 SS
4" - 6"	1/8" Perf	304 SS

DIMENSIONS inches (mm) AND WEIGHTS pounds (kg)

SIZE	A	B	C	D	WEIGHT
2 (50)	16 1/4 (413)	10 1/2 (268)	14 3/8 (378)	1 1/8 (48)	125 (56.7)
2 1/2 (65)	19 3/8 (492)	13 3/8 (340)	14 1/2 (368)	2 1/4 (57)	142 (64.6)
3 (80)	22 1/4 (565)	14 1/2 (368)	20 1/2 (521)	2 3/4 (73)	243 (110.2)
4 (100)	25 1/4 (641)	16 3/8 (416)	23 (584)	3 3/8 (92)	388 (176)
6 (150)	32 (813)	21 1/4 (551)	30 1/2 (775)	5 3/8 (137)	817 (370.6)

* Consult factory for dimensions
Dimensions shown are subject to change.
Contact factory for certified prints when required.

1500Y2 SERIES
STRAINERS